Honeywell

THERMAWAVE CERAMIC HEATER

Model HZ-850 Series
Model HZ-860 Series

⚠WARNING

IMPORTANT SAFETY INSTRUCTIONS

WARNING – READ AND SAVE THESE OPERATING AND SAFETY INSTRUCTIONS BEFORE USING THIS HEATER. IF YOU DO NOT UNDERSTAND THESE INSTRUCTIONS OR PRODUCT LABELS PLEASE CALL OUR CUSTOMER REPRESENTATIVES AT (800) 477-0457 FOR ASSISTANCE BEFORE USING THIS PRODUCT.

Warning – Failure to follow any of these safety instructions could result in fire, injury or death.

YOUR RESPONSIBILITIES

Electrical appliances may expose people to hazards that can cause severe injury as well as death. The use of electrical products may create hazards that include, but are not limited to, injury, fire, electrical shock and electrical system damage. These instructions are intended to provide you with the information you need to use the product and to avoid such hazards.

When using electrical appliances, basic precautions should always be followed to reduce risk of fire, electric shock, and injury to persons including the following:

1. **Warning – Read all instructions before using this heater.**
2. **Warning** – This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. If provided, use handles when moving this heater. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 3 feet (0.9 m) from the front of the heater and keep them away from the sides and rear.
3. **Warning** – Extreme caution is necessary when any heater is used by or near children or invalids, and whenever the heater is left operating and unattended.
4. **Warning** – Always unplug heater when not in use.
5. **Warning** – Do not operate any heater with a damaged cord or plug or after the heater malfunctions, has been dropped or damaged in any manner. Discard heater or return heater to manufacturer
6. **Warning** – For residential use only.
7. **Warning** – Do not use outdoors.
8. **Warning** – This heater is not intended for use in bathrooms, laundry areas and similar indoor locations. Never locate heater where it may fall into a bathtub or other water container.
9. **Warning** – Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.

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Honeywell International Inc. makes no representation or warranties with respect to this product

10. **CAUTION** – THIS APPLIANCE HAS A POLARIZED PLUG (ONE BLADE IS WIDER THAN THE OTHER). TO REDUCE THE RISK OF SHOCK, THIS PLUG IS INTENDED TO FIT ONLY ONE WAY IN A POLARIZED OUTLET. IF THE PLUG DOES NOT FIT SECURELY IN THE OUTLET, REVERSE THE PLUG. IF IT STILL DOES NOT FIT, CONTACT A QUALIFIED ELECTRICIAN. DO NOT ATTEMPT TO DEFEAT THIS SAFETY FEATURE.
11. **Warning** – This heater draws 12.5 amps during operation. To prevent overloading a circuit, do not plug the heater into a circuit that already has other appliances working.
12. **Warning** – It is normal for the plug to feel warm to the touch; however, a loose fit between the AC outlet (receptacle) and plug may cause overheating and distortion of the plug. contact a qualified electrician to replace loose or worn outlet.
13. **Warning** – To disconnect the heater, first turn off the product, then grip the plug body and pull it from the wall outlet. Never pull by the cord.
14. **Warning** – Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.
15. **Warning** – To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces, like a bed, or where openings may become blocked.
16. **Warning** – A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint or flammable liquids are used or stored.
17. **Warning** – Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
18. **Warning** – Always plug heater directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip).
19. **Warning** – Never tamper with this product or attempt to fix it. Any tampering with, or modification of this product can result in serious injury, death, or fire. Risk of electric shock. Do not open. No user serviceable parts inside.
20. **Warning** – Do not remove product labels that contain warnings or safety instruction.
21. **Caution** – The output of this heater may vary and its temperature may become intense enough to burn exposed skin. Use of this heater is not recommended for persons with reduced sensitivity to heat or an inability to react to avoid burns.
22. **Caution** – Before cleaning or storage, or when not in use, turn the product's controls to the OFF position and unplug the heater from the electrical outlet and allow to cool.
23. **Caution** – Place the heater on a firm, level, open surface free from obstructions and at least 3 feet (0.9 m) away from any combustible materials. DO NOT use on an unstable surface such as bedding or deep carpeting. Be sure the heater is not in a position where it may be tripped over by small children or pets. The heater's rubber feet will hold it firmly in position.
24. **Caution** – If your home has aluminum wiring have a licensed electrician check your receptacle's connections. When using a 1500 watt heater, aluminum wire connections can cause a safety issue.
25. **SAVE THESE INSTRUCTIONS**

ABOUT CERAMIC TECHNOLOGY

Ceramic heaters generate heat by passing electricity through heating wires embedded in ceramic plates. This type of heating technology provides fast, even heating.

The ThermaWave Ceramic Heater has an organic industrial design that maximizes heat output. It is designed with fan power to improve convection in order to provide both all around or directional heating comfort to you and your room.

ASSEMBLY

This heater requires simple, no tool assembly.

Unpack Main Body and Mounting Base (Fig. 1).

Place Mounting Base on a firm surface (upright in any direction). Place ThermaWave Main Body on Mounting Base so Mounting Tabs are aligned with Base Slots. Press Main Body onto the Base until Tabs snaps secure into the Slots (Fig. 2).

SET-UP

Place the heater on a firm, level, open surface free from obstructions and at least 3 feet (0.9m) away from any wall or combustible material.

DO NOT use on an unstable surface such as bedding or deep carpeting.

BE SURE THE HEATER IS NOT IN A POSITION WHERE IT MAY BE TRIPPED OVER BY CHILDREN OR PETS.

For best result, place heater on the floor to create warming room convection and allow heater to run for 5-10 minutes to reach maximum heat output.

MOVING THE HEATER

Turn off the heater.

Allow it to cool for ten (10) minutes.

Unplug heater and move. This heater is equipped with a Cool Touch Handle for your convenience.

OPERATION

NOTE: NEVER LEAVE AN OPERATING UNIT UNATTENDED

With the Power Knob or Power Button in the OFF (◯ or ⏻) position, plug the heater into a polarized 120V outlet. DO NOT FORCE THE POLARIZED PLUG INTO THE OUTLET; it will only fit one way.

The ThermaWave Ceramic Heater is versatile and designed to be placed in the center of the room or closer to the wall (at least 3 feet away) for maximum convection room heating.

Model HZ-850 Series - ThermaWave Ceramic Heater Operation

The Power Knob is equipped with two (2) settings:

1) Low (≀) – this setting uses 750 watts of power
2) High (≀≀) – this setting uses 1500 watts of power

NOTE: Because the Low (≀) setting does not require as much electricity to operate, it is more energy efficient and may be a better option if you are concerned about saving energy.

Turn heater on by turning the Power Knob to either Low (≀) or High (≀≀), the amber Power Light will come on.

Because the Low (≀) setting does not require as much electricity to operate, it is more energy efficient and may be a better option if you are concerned about the amperage draw on a circuit when the heater is on the High (≀≀) setting.

To set the Thermostat, turn the Thermostat Control fully clockwise to the highest (◠) setting.

Model HZ-850

When the room reaches a comfortable temperature, slowly turn the Thermostat Control counter-clockwise until both the heating element and fan go off (the amber Power Light will remain on). This is the point at which the Thermostat setting equals the room temperature. At this setting, the Thermostat will automatically turn the heater back on and then off as needed to maintain the selected temperature.

Turn the Power Knob to OFF (◯) and unplug the heater when you are finished using it.

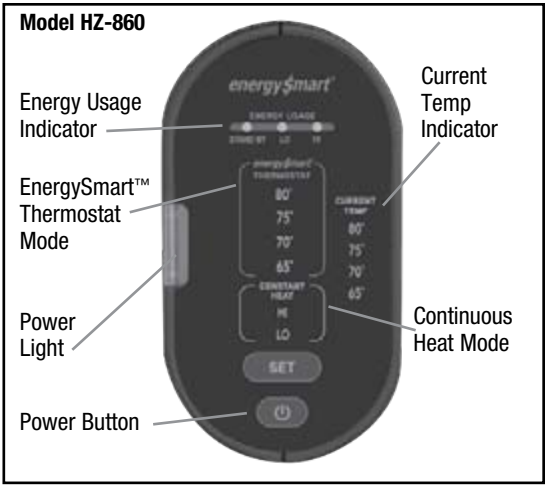
Model HZ-860 Series - EnergySmart™ ThermaWave Ceramic Heater Operation

Turn heater on by pressing ON (⏻) button. The heater will default to the Constant HI mode and the Current Temp Indicator will display the current room temperature.

The Energy Usage Indicator will display the power consumption used by the heater.

The Energy Usage Indicator will display STAND BY when the heater has reached the Desired Room Temperature. At this point, the heater is most efficient and is drawing only a few watts of energy while in STAND BY mode.

Model HZ-860



Energy Usage Indicator Status:

- If HI, the heater is drawing 1500 watts to quickly warm the room
- If LO, the heater is drawing 750 watts to slowly warm the room or maintain the temperature
- In STAND BY, the heater is drawing no power as the room has reached the Desired Temperature

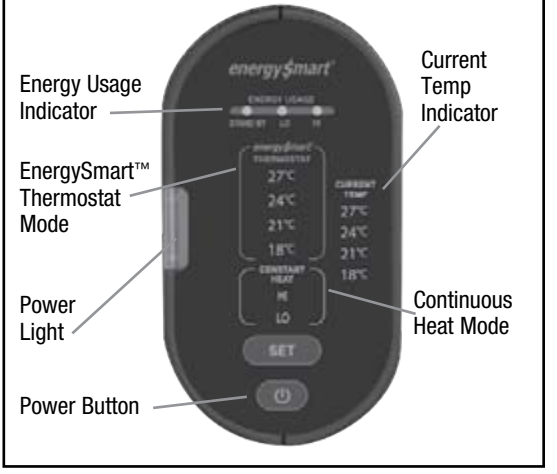
To set the heater, the digital control is equipped with two (2) modes:

Constant Heat Mode -
there are two (2) heat settings

1. For Constant Low, press (LO); this setting uses 750 watts of power
2. For Constant High, press (HI); this setting uses 1500 watts of power

NOTE: Because the Low (LO) setting does not require as much electricity to operate, it is more energy efficient and may be a better option if you are concerned about the amperage draw on a circuit when the heater is on the High (HI) setting.

Model HZ-860C Canada



OPERATION (CONTINUED)

EnergySmart™ Mode -
A smart thermostat that helps you save energy. Press SET to choose four (4) comfort settings of 65° (18°), 70° (21°), 75° (23°), 80° (26°). This is your desired room temperature. The EnergySmart™ thermostat will automatically select the appropriate power level to best accommodate your Desired Temperature. As the air temperature (Current Temp) in the room approaches the Desired Temperature, the heater will automatically lower the power consumption to provide consistent warmth without wasting energy.

The Current Temp Indicator will display the current room temperature.

To override the EnergySmart™ function, simply press SET to choose either OFF (⏻), LOW or HIGH Continuous Heat.

SAFETY FEATURES

This heater is equipped with several devices and features for added protection:

- A tip-over switch that disables the heater if it is accidentally tipped,
  - Model HZ-850 Series - 2 way shut off disabled heater if tipped front or back directions
  - Model HZ-860 Series - 4 way shut off disables heater if tipped front, back or side to side directions
- A high temperature safety control prevents overheating.
- Equipped with a thermal cut-off fuse that will permanently shut down the heater should it operate at a higher than normal temperature.
- This heater was created using a high quality safety plastic.

CLEANING AND STORAGE

We recommend that this heater be cleaned at least once a month and before off-season storage.

- Turn the heater OFF (◯) or (⏻) and unplug it. Allow it to cool.
- Use a dry cloth only to clean the external surfaces of the heater. DO NOT USE WATER, WAXES, POLISHES OR ANY CHEMICAL SOLUTIONS.
- Before storing, clean the ThermaWave Heater using the above-mentioned steps. Wrap the cord around the unit. Place in its original box and store it in a cool, dry place.
- This heater does not disassemble.

TROUBLESHOOTING

If your heater shuts off unexpectedly or fails to operate, one of your heater safety features may have been activated to prevent overheating.

- Be sure it is plugged in and that the electrical outlet is working.
- Check for any obstructions. If you find an obstruction, turn the heater OFF (◯) or (⏻) and unplug it.
- Allow the heater to cool completely, then remove the obstruction. Wait at least 10 minutes, then plug the heater in and follow the OPERATION instructions

PRODUCT SPECIFICATIONS

Model(s)	HZ-850 Series, HZ-860 Series
Unit dims	HZ-850/HZ-860 Series - 17.3" L x 8.5" W x 18" H (assembled)
Amps	12.5
Unit Voltage	120V, 60Hz
Max Watts	1500
Max BTUs	5118

Operation Cost*
To estimate the cost to operate this heater, multiply the watts used times .001 to convert into a kilowatts measure and multiple by your local kilowatt electric rate for however long you run the heater. For example, if your electric rate is $.1196** per kilowatt hour and you ran this heater in constant high mode (1500 watts) for 4 hours, it would cost you $.71 cents to run the heater (1500 watts x 4 hours x.001) x .1196kwp = .71 cents)

NOTE: Because the Low (LO) or EnergySmart™ (HZ-860 Series) settings do not require as much electricity to operate, they are more energy efficient and may be better options if you are concerned about the amperage draw on a circuit when the heater is on the High (HI) setting.

*Calculation (Total Wattage x .001) x Cost per Kilowatt Hour = Cost to operate

**Average Retail Price of Electricity to Ultimate Customer by End-Use, US Energy Information Administration, August 11, 2010

CONSUMER RELATIONS

Mail questions or comments to:
Kaz USA, Inc.
Consumer Relations Dept.
250 Turnpike Road
Southborough, MA 01772

Call us toll-free at: 1-800-477-0457
E-mail: consumerrelations@kaz.com

Or visit our website at: **www.kaz.com**

Please be sure to specify a model number.

NOTE: IF YOU EXPERIENCE A PROBLEM, PLEASE CONTACT CONSUMER RELATIONS FIRST OR SEE YOUR WARRANTY. DO NOT RETURN THE HEATER TO THE ORIGINAL PLACE OF PURCHASE. DO NOT ATTEMPT TO OPEN THE MOTOR HOUSING YOURSELF, DOING SO MAY VOID YOUR WARRANTY AND CAUSE DAMAGE TO THE PRODUCT OR PERSONAL INJURY.

3 YEAR LIMITED WARRANTY

You should first read all instructions before attempting to use this product.

A. This 3 year limited warranty applies to repair or replacement of product found to be defective in material or workmanship. This warranty does not apply to damage resulting from commercial, abusive, unreasonable use or supplemental damage. Defects that are the result of normal wear and tear will not be considered manufacturing defects under this warranty. **KAZ USA, INC. IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY**. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you also may have other rights which vary from jurisdiction to jurisdiction. This warranty applies only to the original purchaser of this product from the original date of purchase.

B. At its option, Kaz USA, Inc. will repair or replace this product if it is found to be defective in material or workmanship.

C. This warranty does not cover damage resulting from any unauthorized attempts to repair or from any use not in accordance with the instruction manual.

D. Return defective product to Kaz USA, Inc. with a brief description of the problem. Include proof of purchase and a $10 US/$15.50 CAN check or money order for handling, return packing and shipping charges. Please include your name, address and a daytime phone number. **You must prepay shipping charges.** We suggest having tracking or delivery confirmation. Send to:

In U.S.:

Kaz USA, Inc.
Attn: Returns Department
4755 Southpoint Drive
Memphis, TN 38118
USA

In Canada:

Kaz Canada, Inc.
Attn: Returns Department
510 Bronte Street South
Milton, ON L9T 2X6
Canada

Please go to **www.kaz.com** and register your product under the Customer Care Center and receive product information updates and new promotional offers.